

IN THE CLAIMS

6-13-03

1. (cancelled)

SUB C17

2. (currently amended) ~~The method of Claim 1, further comprising:~~ A method for emulating an erasable storage medium using a non-erasable optical disk, wherein the optical disk includes a writing area formed in a spiral track, the method comprising:

writing a plurality of data files in the writing area, wherein a first data file is written from a first end of the spiral track, a second data file is written from the end of the first data file on the spiral track, and so on for remaining data files;

generating a system sector for the data files, wherein the system sector identifies, for each data file, its location in the writable area and its size;

writing the system sector in the writable area, wherein the system sector is written from the remaining end of the spiral track;

generating an updated system sector whenever there is a change in the data files stored on the writable area, wherein the updated system sector identifies the changed data files; and

writing the updated system sector in the writable area, wherein the updated system sector is written from the end of the first system sector on the spiral track.

3. (previously amended) The method of Claim 2, wherein the change is an additional data file being written in the writable area, the additional data file being written from the end of the last data file on the spiral track, and wherein the updated system sector identifies the location and size of the additional data file.

4. (previously amended) The method of Claim 2, wherein the change is a modified

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data file being written in the writable area, the modified data file being written from the end of the last data file on the spiral track, and wherein the updated system sector identifies the location and size of the modified data file such that the modified data file replaces the contents of a given data file stored in the writable area.

5. (previously amended) The method of claim 2, wherein the change is an indication that a given data file stored in the writable area is to be considered deleted.

6. (currently amended) The method of claim 2, wherein the writable area is contained within an annular area of the optical disk, the annular area having an inner diameter and an outer diameter, and wherein the first end of the spiral track is adjacent the outer diameter and the remaining end of the spiral track is adjacent the inner diameter.

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7. (previously amended) The method of Claim 2, wherein each system sector comprises:

a directory identification parameter that is used to determine when to terminate the process of reading the system sector(s)

8. (previously amended) The method of Claim 2, wherein each system sector further comprises:

a file identification parameter that is used to determine when to terminate the process of reading the system sector(s).

9. (previously amended) The method of Claim 2, wherein each system sector includes:

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a data block number that indicates the next available writeable location for a data file.

19. (cancelled)

SUB C27
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20. (currently amended) A write-once read-many (WORM) optical disk, comprising:
a writeable area on the optical disk, wherein the writeable area is formed in a spiral
track, the spiral track forming a data area starting at a first end of the spiral track and
extending towards the remaining end and forming a system sector starting at the remaining
end and extending towards the first end, wherein the data area comprises a plurality of data
files and the system sector identifies the location and size of the data files; and wherein the
writable area includes ~~The optical disk of Claim 19, further comprising:~~

an updated system sector that includes information for accessing updated data files,
wherein the updated system sector is written in the writeable area starting from the end of the
system sector towards the data area along the spiral track.

SUB C37
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24. (previously amended) The optical disk of Claim 20, wherein each system sector
comprises:

a directory identification parameter that is used to determine when to terminate the
process of reading each of the system sectors.

25. (previously amended) The optical disk of Claim 24, wherein each system sector
comprises:

a file identification parameter that is used to determine when to terminate the process
of reading each of the system sectors.

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26. (currently amended) The optical disk storage medium of Claim 20, wherein each system sector includes:

a writeable data block number that indicates the next available location for a data file.

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